

# BUREAU OF AUTOMOTIVE REPAIR

## ORDER OF ADOPTION

The Bureau of Automotive Repair hereby adopts the following regulations in Division 33 of Title 16 of the California Code of Regulations:

**(1) Amend Section 3340.16.5 to read as follows:**

**3340.16.5. Test-and-Repair Station Requirements.**

(a) Basic Area. A smog check test-and-repair station operating in a basic area shall have the equipment and materials specified by, and conform to the requirements of, Section 3340.16(a) of this article and, in addition, shall have engine diagnostic equipment and repair tools that are capable of diagnosing and repairing engine ignition systems, fuel systems, emission control systems, computer engine control systems, and other related components for each vehicle type that the station works on ~~including the following:~~ diagnoses and repairs. The equipment or repair tools may be separate units, or part of a multi-functional unit. At a minimum, the station shall have the following materials, tools, and equipment:

(1) Ignition analyzer ~~/or ignition~~ oscilloscope, capable of displaying ignition system operation of vehicles subject to the smog check program. At a minimum, the device shall display:

(A) Primary ignition system voltage and coil oscillations; and

(B) Firing voltage and spark duration of the secondary ignition in either analog or digital form. For distributor-equipped systems, the device shall be capable of displaying this information for all cylinders at the same time.

(2) Compression tester.

(3) Tachometer/dwell meter.

- (4) Fuel pressure gauge capable of measuring the higher pressures of fuel- injected vehicles.
- (5) Propane enrichment kit.
- (6) Ammeter capable of measuring amps and milliamps.
- (7) High impedance digital volt/ohmmeter.
- (8) Hand tools necessary to adjust, maintain, and repair vehicular ignition, fuel delivery, and emission control systems.

(9) Diagnostic and repair information for all vehicles being tested and repaired. Such information may be in printed or electronic form and may be nationally distributed and periodically updated references that contain repair and emission procedures. These references must be up to date and include current model year supplements for automobile emission control systems. Electronic references shall be provided in printed form upon request from the bureau.

(10) The most currently available bureau test and repair manuals.

(11) Automotive computer diagnostic and repair manuals.

(12) Electronic component location manuals.

(13) A device capable of retrieving trouble codes from vehicles with on-board computers, along with instructions on how to extract codes, and definitions of codes. This device shall have the ability to display and store data streams from the on-board computer systems of vehicles.

The device shall be On-Board Diagnostic II compliant, and shall have the Enhanced E/E Diagnostic Test Modes capabilities as noted in the Society of Automotive Engineers' document number J2190 dated June 1993. Diagnostic data modules required to operate the device shall be kept updated to the current available calendar year.

(b) Enhanced Area. A smog check test-and-repair station operating in an enhanced area shall have:

(1) The equipment and materials specified by, and conform to the requirements of, subsection (a) of this section, an emissions inspection system in accordance with the bureau's Emissions Inspection System Specifications referenced in section 3340.16.7(b) of this article.

(2) An electronic device capable of graphically displaying any electrical or electronic signal used by an automotive computer system. The device shall have the capability of displaying the electrical or electronic signal using a voltage and time scale that is adjustable. The device shall have the capability of capturing and displaying a high frequency abnormal signal, regardless of time per division setting, or screen refresh rate. This device may be a separate unit, or be part of a multifunctional unit that also serves to fulfill one or more of the requirements of subsection (a).

(3) A tire pressure gauge capable of accurately measuring tire pressure at the specification for the vehicles being tested and inspected using the loaded mode test procedure.

(c) A smog check test-and-repair station which has accepted a vehicle for inspection shall disclose both orally and in writing before the initial inspection of the vehicle if the vehicle is potentially affected by any of the following conditions:

(1) The station does not have adequate equipment, personnel, tools or reference materials to repair the vehicle, should the vehicle fail its inspection; or

(2) The station, as a matter of policy, does not repair certain types, makes or models of vehicles; or

(3) The station, as a matter of policy, does not repair certain types of vehicle inspection failures.

Such written disclosure shall be made on the written estimate provided pursuant to section 9884.9 of the Business and Professions Code.

(d) A smog check test-and-repair station shall not have ownership in, corporate interest in, nor any financial interest in a smog check test-only station within a geographical radius of 50 statute miles of the test-and- repair station.

Note: Authority cited: Section 44002, Health and Safety Code. Reference: Sections 44012, 44030(b) and 44036(b), Health and Safety Code.

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